# 802.1 – Activities & status

Tony Jeffree, 802.1 WG Chair

Friday, March 013, 2009

# Areas of work

- **802 Architecture and interworking between 802 technologies**
  - Cross-802 Architecture group
  - "Technical Plenary" if needed
- **Interworking**
  - "Traditional" (802.1D) bridging
  - VLAN (802.1Q) bridging
  - Provider bridging
  - LAN management
  - Discovery mechanisms
  - Connectivity fault management
- **Audio Video bridging (AVB)**
  - Time synchronization
  - Stream reservation and transmission support
- **Data center bridging (DCB)**
  - Congestion management
  - Per priority flow control
- **Security**
  - Secure frame transmission
  - Key management
  - Secure device identity

# Officers

- Chair: Tony Jeffree
- Vice Chair: Paul Congdon
- Recording Secretary: Michael Wright
- Interworking TG Chair: Steve Haddock
- Link Security TG Chair: Mick Seaman
- AV Bridging TG Chair: Michael Johas Teener
- Data Center Bridging TG Chair: Pat Thaler
- Maintenance of Email exploder: Hal Keen
- Maintenance of website: John Messenger
  - Website: http://www.ieee802.org/1/

# Status of current projects - (1)

- MAC Service revision (P802.1ac)
  - Initial input generated based on ISO/IEC JTC1 standard 15802-1 plus ISS, E-ISS from 802.1D and 802.1Q
  - third draft (D0.2) issued for TG ballot; comment reolution completed; further TG balloting.
- P802.1X Revision – (was P802.1af Key Agreement)
  - Current draft is D2.9
  - WG ballotting in progress; Sponsor ballot will follow a final recirculation.

# Status of current projects - (3)

- P802.1aj – Two-port MAC Relay
  - Proposed amendment to 802.1Q to define a relay device, commonly known as a "media converter", that will assist  the integration of 802 LAN technologies with emulated LAN services in use in the provider networking space.
  - Current draft is 3.1b
  - WG Recirc ballot and comment resolution completed; awaiting next draft and recirc ballot.

# Status of current projects - (4)

- **P802.1ap - Management Information Base (MIB) definitions for VLAN Bridges**
  - Approved standard, was published on Monday 9th.
- **P802.1aq – Shortest Path Bridging**
  - Current draft is D1.5
  - Task Group balloting ongoing
- **P802.1AR – Secure Device Identity**
  - Current draft is D1.9
  - Working group recirc ballot in May timeframe; Sponsor ballot after that.
- **P802.1AS – Timing and Synchronization in LANs**
  - Current draft D5.0
  - WG ballot in progress; closes after the March meeting. Ballot resolution at the Interim meeting

# Status of current projects - (5)

- P802.1Qat – Stream Reservation Protocol –
  - Current draft is D2.1
  - Next draft to Working Group ballot.
- P802.1Qau – Congestion Notification –
  - Current draft is D1.4
  - Task group balloting continues.
- P802.1H Revision – MAC Bridging of Ethernet
  - Task group balloting continues.

# Status of current projects - (6)

- **P802.1Qav – Forwarding and queuing for time sensitive streams**
  - Current draft is D4.0
  - First WG ballot completed; recirculation in May timeframe, followed by Sponsor ballot.
- **P802.1Qaw – Data dependent CFM**
  - Current draft is D4.0
  - Initial Sponsor ballot completed; forwarding to RevCom after recirculation.
- P802.REV – Overview and Architecture

# Next Interim meetings

- May 2009:
  - Pittsburgh
- September 2009:
  - Tuscany